

DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-I008

APPLICATIONS SOFTWARE
13 April 1983

INSTALLATIONS DATA FILE REORGANIZE

SYMBOLIC TITLE: IDFREORG

PROGRAMMER:

STAT

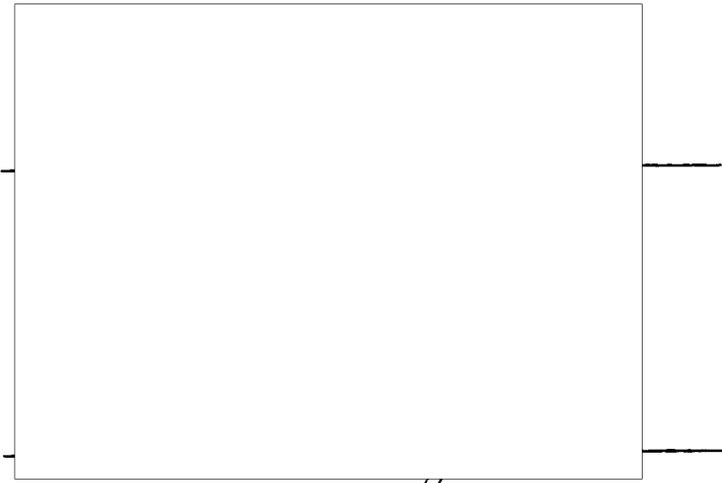
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Date 24 February 1983

APPROVALS

This operations manual has been reviewed and approved by the following persons:



3/30/83
(date)

4/5/83
(date)

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Program IDFREORG

Date 24 February 1983

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SUMMARY

The IDFREORG program will be run on the UNIVAC 1100/84 on a yearly basis, following the successful completion of the IDFTRANS program.

The purpose of the program is to reorganize the Installations Data File (IDF) after its annual archival in order to consolidate and more efficiently access the remaining data. Processing sequentially through the IDF, the program transfers readouts for a MRN (that have not been updated within one month of processing) to an area of the Historical Installations Data File (HIDF) for temporary storage. As each readout is transferred to the HIDF, it is deleted from the IDF until all appropriate readouts for an MRN have been transferred to the HIDF. The process is then reversed to restore the readouts back into the IDF under the appropriate TGT-HDR. The readouts are stored in an area other than the current IDF area in order to minimize disk contention, and all readouts for a MRN are stored in a contiguous fashion in order to cut the amount of time needed to access the data. The above process continues until the readouts for every MRN in the IDF have been transferred, deleted, and restored.

Since IDFREORG is not time-critical, a utility mechanism has been built in to allow the operator to stop the program.

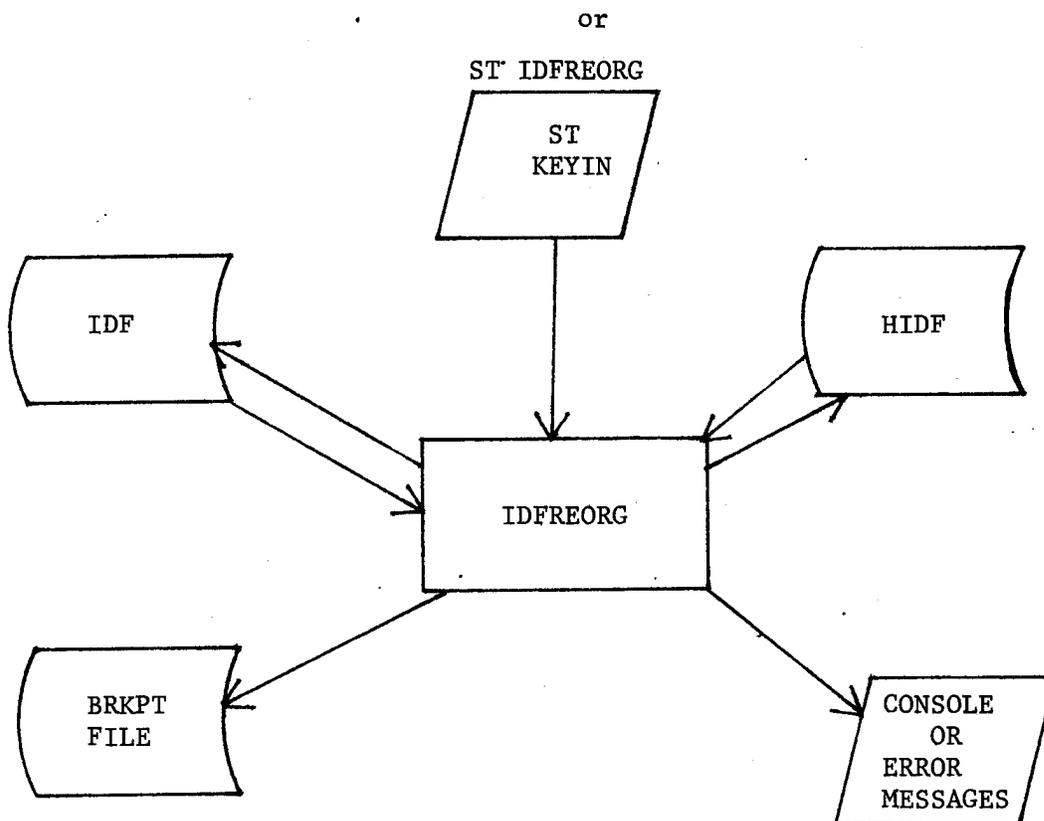
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Program IDFREORG

Date 24 February 1983

OPERATIONAL FLOW CHART

ST XDB*P\$RUN.IDFREORG/XQT,,DMS



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Program IDFREORG

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COMPUTER RUN PREPARATION

PUNCHED CARD INPUT

Type: NONE

Identification:

Format:

- N = numeral
- A = letter
- X = any legitimate character
in card code
- S = special character
- Z = optional character
- & = plus
- = minus

Field

Column

Comments

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Program IDFREORG

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ON-LINE COMPUTER PROCESSING

EQUIPMENT REQUIREMENTS

Computer: UNIVAC 1100/84

Schema Used: PRODSHEMA

Storage:

Core Required -

I Bank - 1779 Words (decimal)

D Bank - 11190 Words (decimal)

Peripheral Devices:

Printer

Restrictions: TIMER must be up

Files Accessed: IDF, HIDF, XDB*STOP-IDFARCH.

Files Created/Deleted: None

File Size: N/A

Approximate Number of Accesses: N/A

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Program IDFREORG

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PROGRAM LOADING

Type of Program: Batch

Start Keyin: ST IDFREORG or ST XDB*P\$RUN.IDFREORG/XQT,,DMS

Run ID: IDFREO

DMR ID: IDFREO

ECRT:

General Equation -

Sample Estimate -

FINAL CHECK SUMMARY

This program is to be run once a year following the successful completion of the IDFTRANS program.

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NORMAL RUN INSTRUCTIONS

Initiation: The IDFREORG program is initiated by the operator following authorization from data base personnel.

Monitor:

<u>Message</u>	<u>Cause</u>	<u>Operator Action</u>
None		

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NORMAL RUN INSTRUCTIONS (Continued)

Interrupt/Reentry: IDFREORG can be interrupted through operator intervention by keyin of ST STOP-IDFARCH. The program will stop gracefully in about a minute or less. The operator can restart the IDFREORG program at any time through a keyin of ST IDFREORG or ST XDB*P\$RUN.IDFREORG/XQT,,DMS.

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ABNORMAL RUN INSTRUCTIONS

Messages:

Standard Errors: Some standard errors can occur due to incorrect operator control or other circumstances. These standard errors are listed below.

<u>Message</u>	<u>Cause</u>	<u>Operator Action</u>
ERROR ASSIGNING XDB*STOP-IDFARCH FILE	File not found	Initialize the file using ST STOP-IDFARCH
ERROR READING XDB*STOP-IDFARCH FILE	No data in file	Initialize the file using ST STOP-IDFARCH
ERROR WRITING TO XDB*STOP-IDFARCH FILE .	Unknown	Contact Systems Programming personnel

Non-Standard Errors: During non-standard errors, the following message will be sent to the console.

<u>Message</u>	<u>Operator Action</u>
IDFREORG PROGRAM HAS ERRORED DMS ERROR-STATUS = XXXXXX ERROR OCCURED IN PARAGRAPH XXXXXXXXXXXXXXXX XXXXX, PAGE XXXXX, RECORD XXXXX	Try restarting IDFREORG. If the same error occurs, call Data Base personnel. (Note: Additional information about the error will be in the breakpoint file XDB*B-IDFARCH.)